

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/036075

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C217/94 C08G61/02 H05B33/14 H01L51/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C C08G H01B H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1995, MASHITA, KYOKAZU ET AL: "Electrophotographic imaging method" XP002312483 retrieved from STN Database accession no. 1995:921945 abstract -& JP 07 199503 A (FUJI XEROX CO LTD, JAPAN) 4 August 1995 (1995-08-04) page 17 - page 20; compounds (H-1) - (H-11), (I-1) - (I-4), (J-1) - (J-7) ----- -/--</p>	1-14

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

23/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 034 296 A (ONG BENG S ET AL) 23 July 1991 (1991-07-23) column 9 - column 12; compounds I-XIII column 13; figures 1,2 examples 1-11	1-14
X	US 4 983 482 A (ONG BENG S ET AL) 8 January 1991 (1991-01-08) column 9 - column 12; compounds I-XII examples 1-11	1-14
A	US 6 605 373 B2 (INBASEKARAN MICHAEL ET AL) 12 August 2003 (2003-08-12) cited in the application columns 1,2	1,9-11, 13
A	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1997, KIKUCHI, NORIHIRO ET AL: "Manufacture of charge-transporting compound and electrophotographic photoreceptor containing it" XP002312484 retrieved from STN Database accession no. 1997:648772 cited in the application abstract -& JP 09 258465 A (CANON K. K., JAPAN) 3 October 1997 (1997-10-03) the whole document	1,9-11, 13
P,X	HREHA R D ET AL: "Synthesis of acrylate and norbornene polymers with pendant 2,7-bis(diarylamino)fluorene hole-transport groups" TETRAHEDRON, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 60, no. 34, 16 August 2004 (2004-08-16), pages 7169-7176, XP004547465 ISSN: 0040-4020 page 7170; compounds 5,6,8 page 7171; compounds P6,P8,P8-9 and the compound at the bottom of the scheme	1-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/036075

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 7199503	A	04-08-1995	NONE	
US 5034296	A	23-07-1991	NONE	
US 4983482	A	08-01-1991	NONE	
US 6605373	B2	04-10-2001	US 6309763 B1	30-10-2001
			US 6169163 B1	02-01-2001
			US 2001026878 A1	04-10-2001
			CA 2294485 A1	28-10-1999
			CN 1263542 T	16-08-2000
			DE 69908522 D1	10-07-2003
			DE 69908522 T2	15-04-2004
			EP 0988337 A1	29-03-2000
			JP 2002506481 T	26-02-2002
			WO 9954385 A1	28-10-1999
			US 6255449 B1	03-07-2001
			US 6512083 B1	28-01-2003
			US 6362310 B1	26-03-2002
			US 6514632 B1	04-02-2003
JP 9258465	A	03-10-1997	JP 3262313 B2	04-03-2002